

Middle school Summer Packet
Science

Sun Dial

What You'll Need:

- Sharp pencil
- Marker/Crayon
- Paper plate
- A sunny day

What To Do:

1. Head outside around noon to begin your experiment.
2. Poke your pencil through the center of the paper plate and pull it almost all the way through.
3. Set the paper plate upside down so it is flat. The pencil should stick through the top.
4. Mark the shadow of the pencil on the plate with the number "12".
5. Check the sundial throughout different times of the day and mark each one with the time. Each shadow will indicate a different position of the sun due to the tilt in the earth's axis.

Bring the plate into class to share with your classmates!

Nature scavenger hunt:

Find, draw, and describe each of the following (to include where you found it and when)

1. Grasshopper
 2. Wildflower
 3. Frog
 4. Turtle
 5. Duck
 6. Deciduous leaf
 7. Pinecone
 8. Lizard
 9. Snail
 10. Mushroom
- Bonus: Sea creature

Latin

1. **Rising Fourth Form**

Final Review Pages

2. **Rising Third Form**

Final Review Pages

3. **Rising Second Form**

Final Review Pages

4. **Rising First form**

Final Review Pages